



Department of Ecology

December 2021 - Agency Update

David Bowen, Nuclear Waste Program Manager

Outline

- Recruitment
- Holistic Negotiations
- Tri-Party Agreement Negotiations
- Compliance & Permitting Activities

Recruitment

Priorities:

- We have ~20 vacancies right now – 16 are in some stage of recruitment
 - Offer made, reference checks, interviews, recruitment posted, recruitment in development
- Knowledge transfer and mentoring the next generation of our team is critical for long-term success

Diversity, Equity, Inclusion and Respect (DEIR):

- There are five competencies associated with DEIR - core values to Ecology's work
- Every team member will be expected to become familiar with and practice the first two competencies throughout 2022:
 - DEI knowledge, understanding and commitment
 - Self-awareness and commitment to growth

Outreach & Education

- Visited 2 science classes (virtually) at Chiawana HS, in Pasco
- Attended the 12th Annual Nez Perce Tribe STEM Fair in Lapwai, Idaho
- Let's Talk About Hanford live short courses stream through WebEx & Facebook, topics to-date include:
 - Hanford History Part I with Robert Franklin of the Hanford History Project pre-Hanford-1945
 - Ask Our Managers with David Bowen & Stephanie Schleif of Ecology
 - Salmon, Sturgeon and More with Paul Hoffarth of WA Dept. of Fish & Wildlife
 - Hanford History Part II with Robert Franklin, Hanford Site from 1945-1989
 - Habitat and Wildlife, with Trina Staloch of USFWS and Jason Fidorra, WDFW
 - The next event, A Year in Review, is 5:30 p.m. Jan. 13, 2022

Holistic Negotiations

- The Tri-Parties continue to meet to discuss matters described in the Ecology Director's May 19, 2019, letter <https://pdw.hanford.gov/document/AR-02484>
- Per a mediation agreement, and to encourage open discussion, the parties agreed to not discuss details of status or progress during the negotiations
- November 19, Hanford Challenge held a Virtual Forum – “Trust Building in Holistic Negotiations”
 - Ecology participated, and said they expect a public participation process after the parties reach a tentative agreement

Ecology Compliance Activities

September 2021 to November 2021



Inspections Conducted

- Low Level Burial Grounds Trenches 31 and 34 – September 29, 2021
- Low Level Burial Grounds Trench 94 – September 29, 2021
- Double Shell Tank System and 204 AR – October 26, 2021
- HMIS and WTP Generator Inspection – October 28, 2021
- B Plant – November 22, 2021
- PUREX – November 23, 2021

Ecology Compliance Activities

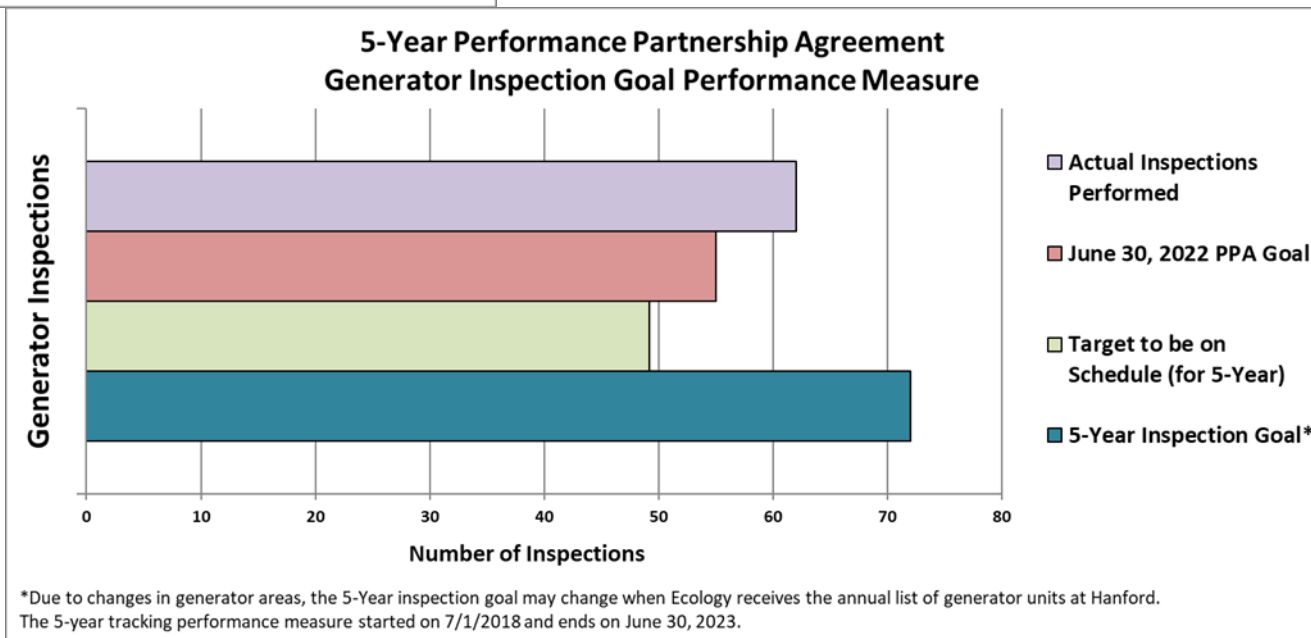
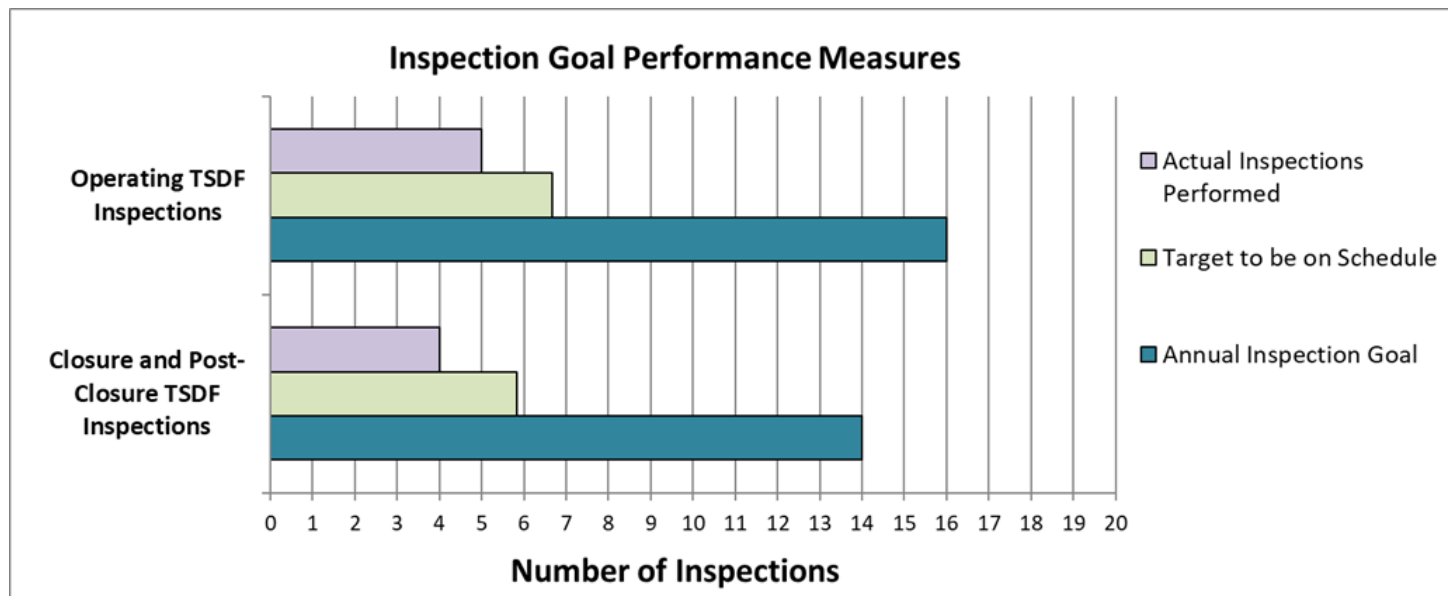
September 2021 to November 2021



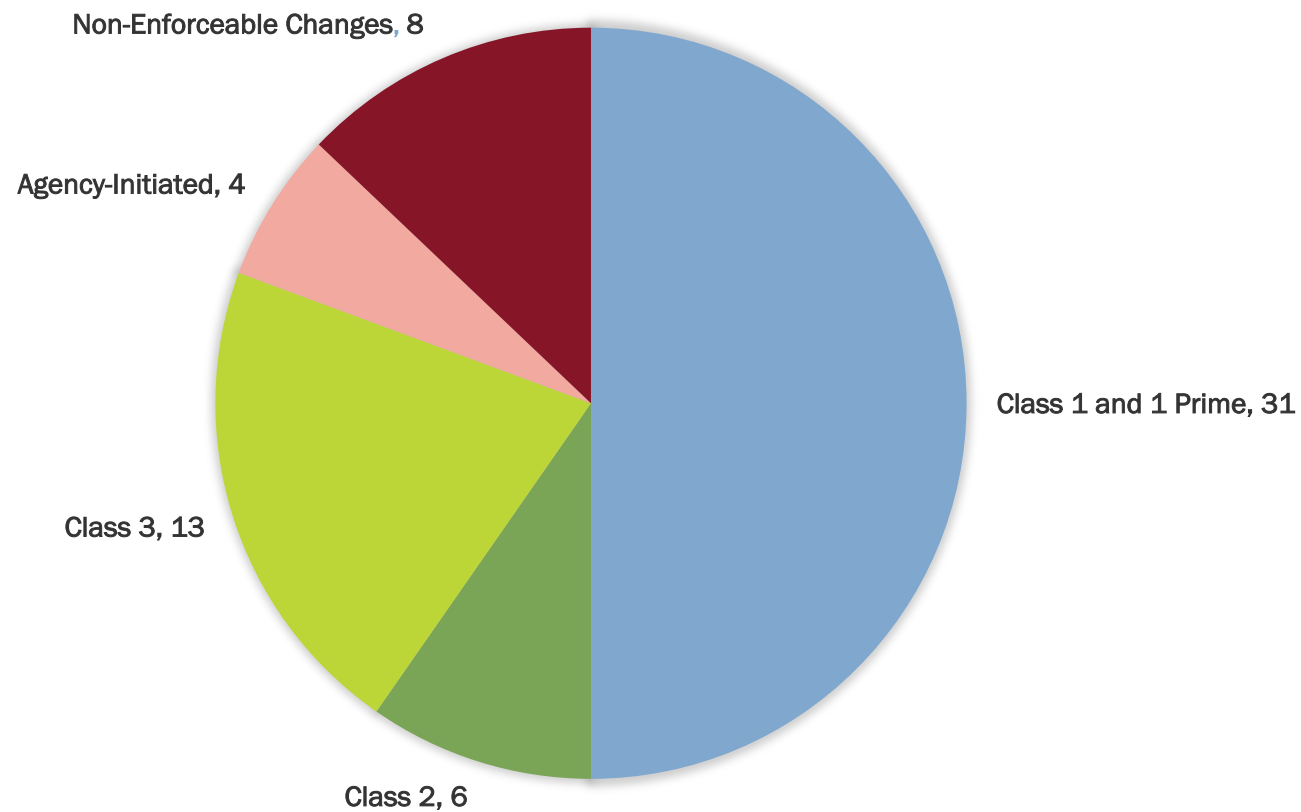
Compliance Reports Issued

- T Plant Complex – September 13, 2021
- 241-CX Tanks – September 21, 2021
- Hexone Storage and Treatment Facility – September 21, 2021
- 242-A Evaporator – September 23, 2021
- 325 Building Hazardous Waste Treatment Units – October 13, 2021
- Perma-Fix Northwest – October 22, 2021
- Waste Encapsulation Storage Facility (WESF) – November 10, 2021
- 222-S Laboratory Complex – June 29, 2021

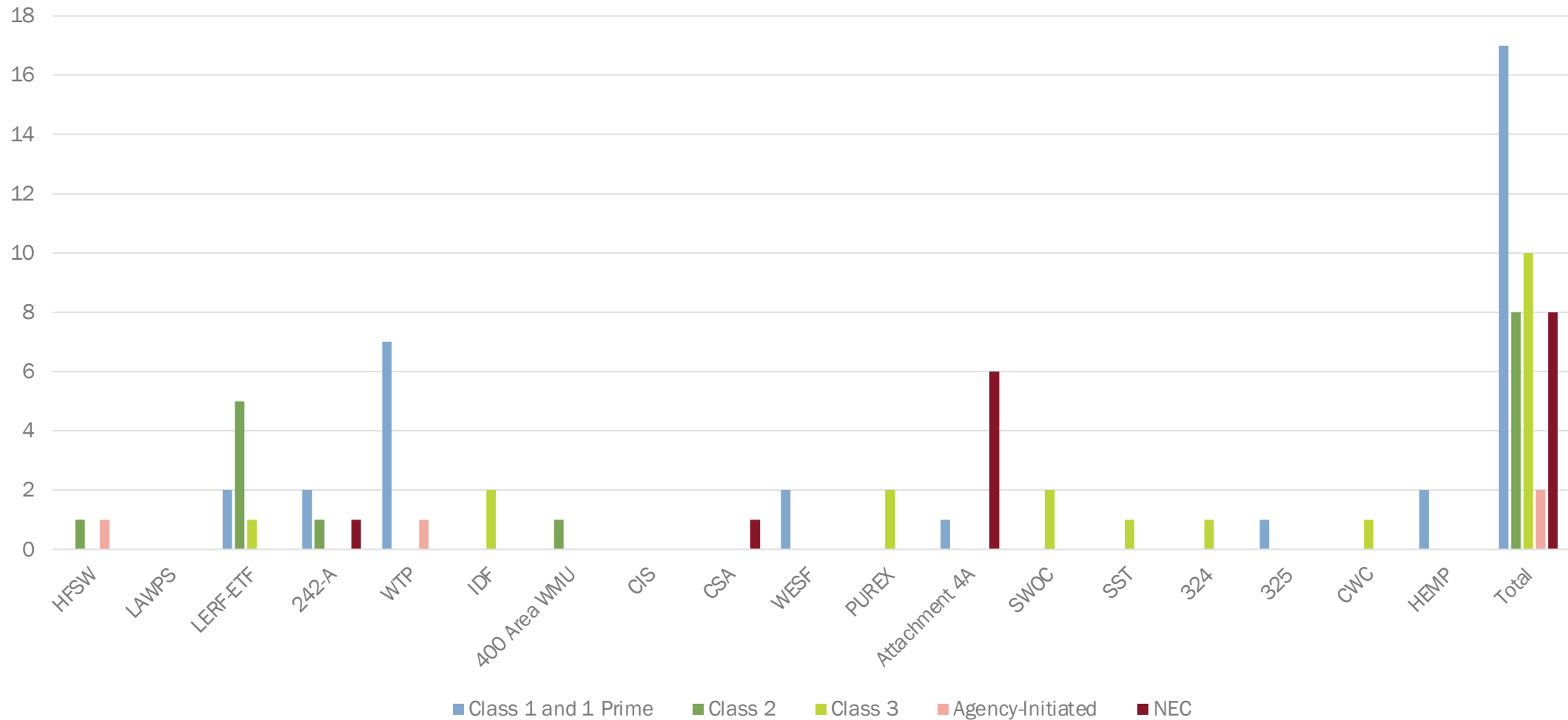
Inspection Goal Performance



Hanford Site-wide Permit Rev. 8c Permit Modifications



Hanford Site-wide Permit Rev. 8c Permit Modifications by Unit Group



Opportunities for Public Involvement



| Unit | Public Comment Period |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <u>Class 2 Permit Modification</u> – The permit modification will propose an updated to Chapter 6A – Inspection Schedule in the WTP Permit. | October 5 – December 17, 2021 |
| <u>Class 2 Permit Modification</u> – The proposed modification describes the decontamination procedures used at the LERF Basins and 200 Area ETF Tank systems is planned for Fall/Winter 2021. | October 26-December 27 2021 |
| <u>Class 2 Permit Modification</u> – The proposed modification proposes to remove reference to the FFTF fire alarm system, which no longer provides alarms for the 400 Area WMU. | December 7, 2021-February 11, 2022 |
| <u>Class 2 Permit Modification</u> – LERF-ETF is proposing a permit modification to install a Distillate and Brine Storage Tank and Distillate Loadout. | Early 2022 |
| <u>Class 2 Permit Modification</u> – The Class 2 permit modification proposes updates to the Groundwater Monitoring Plan for the LERF-ETF. | Early 2022 |
| <u>Class 3 Permit Modification</u> – The proposed Integrated Disposal Facility permit modification incorporates the Leachate Collection System into the permit. | July-August 2022 |

Opportunities for Public Involvement



| Unit | Dates |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| <u>Class 2 Permit Modification:</u> The permit modification to the LERF-ETF will propose language to describe the updated leak detection system on the 310/311 transfer lines. | Spring 2022 |
| <u>Class 2 Permit Modification:</u> The permit modification to the LERF-ETF will propose upgrades to the leak detection system for the 311 and PC-5000 transfer lines. | Spring 2022 |
| <u>Agency-Initiated Permit Modification:</u> A proposed WTP Permit Modification to incorporate a design package for changes to the High-Level Waste Facility Radioactive Liquid Waste Disposal System. | April 4-May 26, 2022 |
| <u>Criteria and Toxics Approval Order</u> – New approval order for the site-wide water infrastructure upgrades project. | Late Spring/Early Summer 2021 |
| <u>Criteria and Toxics Approval Order Modification</u> – DE07NWP-003 - Modification for the construction of LERF Basin 41 and operation of all LERF Basins to receive DFLAW effluent. | Spring 2021 |

Acronyms Legend

HFSW: Hanford Facility Site Wide
LAWPS: Low Activity Waste Pre-Treatment
LERF-ETF: Liquid Effluent Retention Facility-Effluent Treatment Facility
242-A: 242-A Evaporator
WTP: Waste Treatment Plant
IDF: Integrated Disposal Facility
400 Area WMU: 400 Area (Fast Flux Test Facility) Waste Management Units
CIS: Cesium Interim Storage
WESF: Waste Encapsulation Storage Facility

PUREX: 221-A Building aka PUREX Plant complex
Attachment 4A: attachment to the permit “Building Emergency Directors/Building Wardens
SWOC: Solid Waste Operations Complex includes T Plant, Central Waste Complex, Waste Receiving and Processing facility
SST: Single Shell Tank System
324: 324 Building
325: 325 Building
CWC: Central Waste Complex



Questions?

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